

Technical Datasheet

Assembled LED Strip with Milky PU Coating

Article No. EV-201-200-M



1. LED Strip

Flexible, digitally addressable RGBW strip (Model: SK6812 RGBW, 5050, 60/m) with milky PU coating.

LED Type	SK6812 RGBW (60/m)
Operating Voltage	5V DC
Power (typ/max)	12W/m / 12W/m ±1.5W
Current	2.4 A/m
Color Temperature	4000K (Neutral White)
Brightness	≥ 2300–2500 mcd
Protection Class	IP65 (milky PU coating)
Lifespan	> 50,000 hours
Operating Temp.	–25°C to +40°C



2. Connection Cable

Connection cable for M8 connector (Model: AWM 2464 24/3C+T).

Type	UL Style 2464
Construction	3-core (3C)
Conductor	24AWG, tinned copper
Core Colors	Brown, Blue, Black
Outer Jacket	PVC, black
Outer Diameter	4.0 mm ± 0.15 mm
Cable Length	500 mm ± 10 mm
Voltage Rating	300V
Temperature Rating	80°C
Flammability	VW-1



3. M8 Connector (Male)

M8 Male Connector

Part No.: 102-227-043

Part No.	102-227-043 (with coupling nut)
Type	3-pin, for soldering

Coding	A-coded
Housing	Brass (nickel-plated) & PVC/Nylon
Contacts	Brass, gold-plated

Common Properties

Protection
IP65

Voltage
60V AC/DC

Rated Current
3A

Temperature
–40°C to +80°C

Recommended mating connector: M8 female, 3-pin, A-coded (e.g. e-vein 102-20A-202).



4. Coating & Compliance

The LED strip is covered with a translucent, milky (opal-white) polyurethane coating for protection and homogeneous light diffusion (the individual LEDs are not directly visible). The underside carries a 3M VHB acrylic foam adhesive for mounting; the strip end is sealed with a gel-filled heat-shrink boot (waterproof).

UV Resistance

Test Method: ASTM G154-16 Cycle 1 (120h)
Result: Gray scale 4-5 (very good color stability)

Substance Compliance

- ✓ **RoHS** compliant
- ✓ **REACH** compliant
- ✓ **CE** marked

Assembly per IPC/WHMA-A-620 (and IPC-A-610), latest revision · 100% electrical test: open/short/intermittent · Hi-Pot 300V DC/0.01s · insulation resistance $\geq 5\text{ M}\Omega$ · contact resistance $\leq 5\text{ }\Omega$



5. Assembly Reference

The configuration and dimensions of the entire assembly are specified below.

PIN (P1)	SIGNAL (P2)	WIRE
1	+5 V	 Brown
3	GND	 Blue
4	Data (DO)	 Black

Pin 2 — not connected (3-pin connector).

